

# 汽车继电器

**大豪电子**  
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<http://www.very-tec.com>

## TRFM

- Max.switching current 25A
- Different terminals available
- Conform to RoHS,ELV directive



23×15.5×26

### ORDERING CODE 订购代码

<b>TRFM</b> <u>D</u> — <u>S</u> — <u>H</u> / <u>12VDC</u> 1      2      3      4      5	
1. Relay Model 继电器型号 2. Coil Power 线圈功率 D=1.6W, L=1.2W 3. S:Sealed 密封 Nil: 不密封	4. 触点转换形式 H: Form 1A Z: Form 1C 5. Coil Nominal Voltage 线圈额定电压 6,12,24VDC

### COIL DATA 线圈参数 (at 20°C)

Nominal Voltage额定电压(VDC)	6	12	24	1.2W
Coil Resistance线圈阻值( $\Omega \pm 10\%$ )	30	120	480	
Rated Current额定电流(mA)	200	100	50	
Max Operate Voltage 最大吸合电压(VDC)	3.9	7.8	15.6	
Min Release Voltage最小释放电压(VDC)	0.3	0.6	1.2	
Coil Resistance线圈阻值( $\Omega \pm 10\%$ )	23	90	360	1.6W
Rated Current额定电流(mA)	261	133	67	
Max Operate Voltage 最大吸合电压(VDC)	3.9	7.8	15.6	
Min Release Voltage最小释放电压(VDC)	0.3	0.6	1.2	
Max Applicable Voltage 最大过载电压	70°C时额定电压的130%，23°C时额定电压的170%			

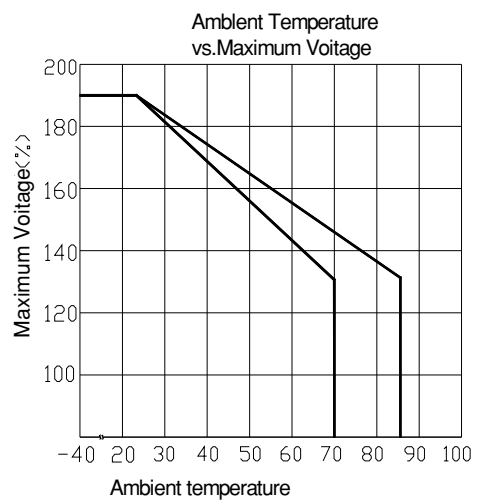
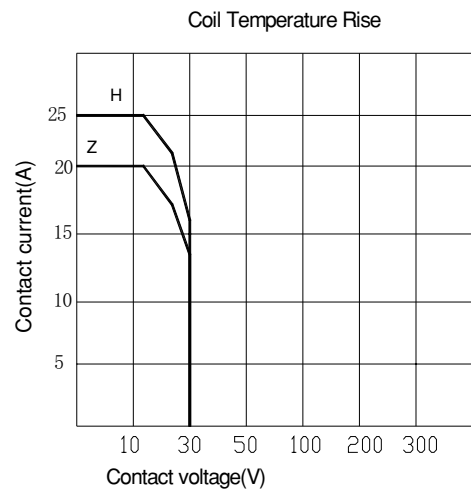
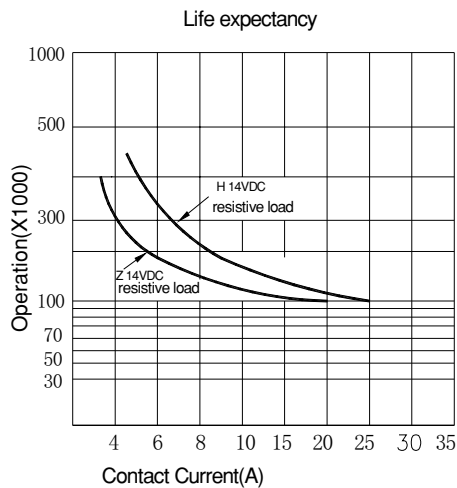
### CONTACT DATA 触点参数

Contact Form触点形式	1H/1Z
Contact Material触点材料	Silver Alloy
Load负载	Resistive load(COS $\Phi$ =1)
Contact Ratings触点负载	1H: 25A 14VDC 1Z: 20A 14VDC
Max Switching Voltage最大转换电压	24VDC
Max Switching Current最大转换电流	25A
Max Switching Power 最大转换功率	350W
Contact Resistance接触电阻	50m $\Omega$ Max                      at 6VDC 1A
Life Expectancy寿命	Electrical 电气寿命: 100,000 Operations(at30Operations/minute)
	Mechanical机械寿命: 10,000,000 Operations(at300Operations/minute)

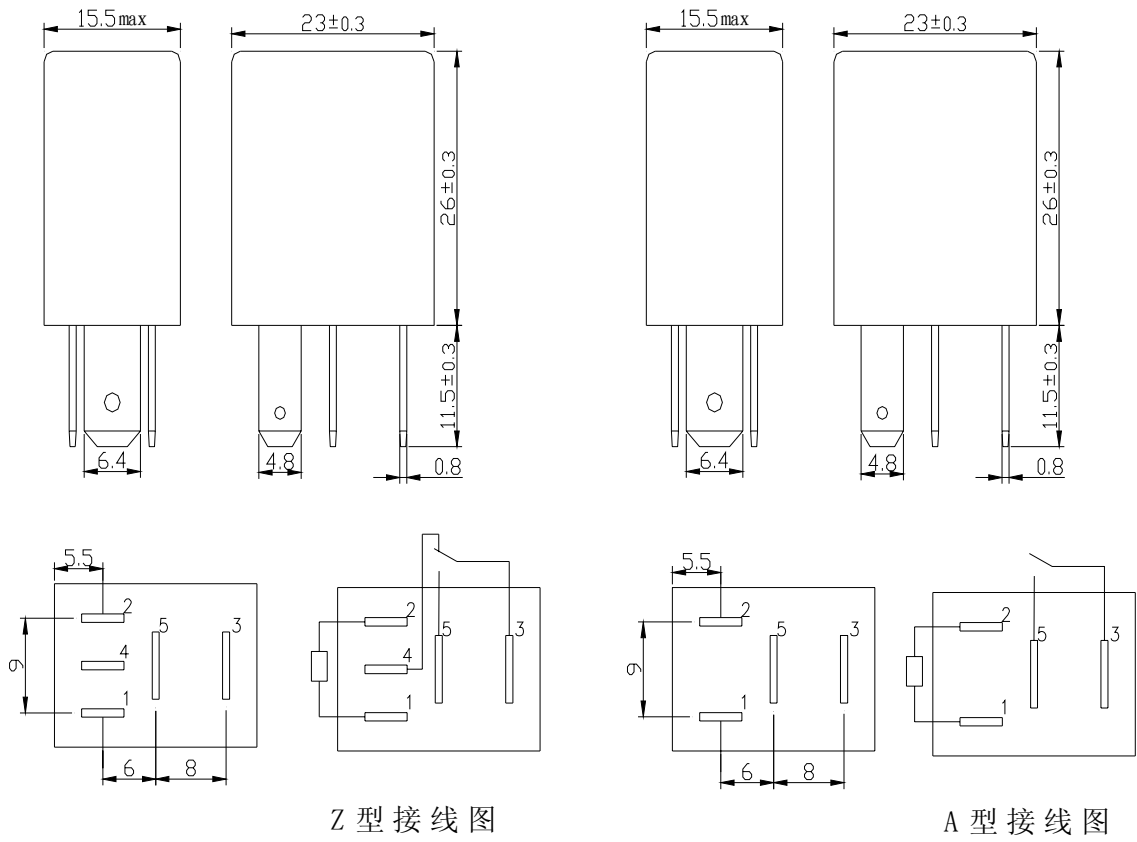
## ■ CHARACTERISTICS DATA 性能参数

Insulation Resistance 绝缘阻值	100MΩ Min at 500VDC
Dielectric Strength Between Open Contacts 触点间耐压	500VAC(for one minute)
Between Contacts and coil 触点与线圈间耐压	1000VAC(for one minute)
Operate Time 吸合时间	10ms
Release Time 释放时间	10ms
Temperature Range 环境温度	-40°C to +85°C
Shock Resistance 冲击	Operating Extremes 动作极限: 10G
	Damage Limits 破坏极限: 100G
Vibration Resistance 振动	10-55Hz, 1.5mm
Max. switching frequency 最大转换频率	Mechanical: 18,000 operations/hr
	Electrical: 1,800 operations/hr
Humidity 湿度	40-85%
Weight 重量	Approx 18g

## ■ ENGINEERING DATA 设计参数



■ OVERALL AND MOUNTING DIMENSIONS 安装图



声明:

本产品规格书仅供客户使用时参考，如有更改，恕不另行通知。